

ABSTRACT

The present invention discloses new muscle ring finger (MURF) proteins
designate MURF-1, MURF-2 and MURF-3. The genes encoding these MURFs also are
5 provided. MURFs interact with microtubules and thus play a role in cytoskeletal
function, mitosis and cell growth. Thus, the uses of MURFs in diagnosis, treatment and
drug screening, in particular relation to cardiomyopathies, are described.

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